MONTHLY BULLETIN

OF

THE OBSERVATORY

AMERICAN UNIVERSITY OF BEIRUT

BEIRUT, SYRIA

LAT. 33° 54' 22" N.

LONG. E. FROM GREENWICH 35° 28' 10"

SEPTEMBER, 1938

J. A. BROWN, DIRECTOR

Printed at the American Press
Beirut, Syria

SEPTEMBER 1938

METEOROLOGICAL REGISTER

Date	Barometer reduced to oC Sea level and 45 Latitude 700 mm. +...				Thermometer Cent.					
	8:30	14:30	20:30	Mean	Max.	Min.	8:30	14:30	20:30	Mean
1	55.4	54.6	54.8	54.9	33.6	24.6	29.9	32.8	27.0	29.9
2	4.9	4.6	4.7	4.7	33.6	25.7	29.4	32.8	28.3	30.2
3	5.8	6.0	6.8	6.2	33.3	25.0	27.4	32.2	26.9	28.8
4	6.8	6.5	6.6	6.6	33.2	24.4	29.9	28.4	28.8	29.0
5	7.1	6.7	6.8	6.9	32.1	24.4	28.2	29.4	28.8	28.6
6	57.4	56.8	57.6	57.3	32.2	23.9	26.5	32.1	26.5	28.4
7	8.2	7.8	8.8	8.3	32.9	24.0	28.5	32.3	26.6	29.1
8	8.9	0.1	0.1	3.0	33.3	23.9	32.1	31.3	27.2	30.2
9	8.4	8.0	8.1	8.2	32.2	23.4	28.8	31.3	30.2	30.1
10	7.8	6.9	6.6	7.1	32.8	23.3	28.9	28.7	26.1	27.9
11	56.2	55.1	55.0	55.4	32.7	24.4	28.9	31.5	26.9	29.1
12	5.8	2.8	6.0	4.9	33.3	24.3	29.4	32.8	26.6	29.9
13	6.3	3.0	5.3	4.9	33.1	23.7	29.4	32.8	27.2	29.3
14	5.3	5.8	6.5	5.9	31.8	24.4	28.7	31.2	25.6	28.5
15	7.3	7.0	7.3	7.2	32.2	24.4	28.9	31.5	26.1	28.8
16	58.7	57.8	58.5	58.3	31.3	23.7	27.4	30.5	25.5	27.8
17	8.8	8.3	8.9	8.7	31.3	23.9	28.3	30.8	25.2	28.1
18	8.3	7.9	8.1	8.1	29.8	22.9	28.0	29.6	25.3	27.6
19	7.5	6.2	6.5	6.7	30.2	22.9	28.2	29.9	25.2	27.7
20	6.0	5.9	7.2	6.4	28.1	23.7	25.9	28.6	24.8	26.4
21	58.3	58.3	58.7	58.4	29.4	21.2	25.3	28.4	23.2	25.6
22	9.2	9.0	7.2	8.4	29.4	21.1	27.1	28.4	23.6	26.4
23	9.8	9.2	9.8	9.6	29.4	21.6	26.1	28.4	24.0	26.2
24	60.0	9.1	9.9	9.7	29.2	21.4	26.2	28.2	23.0	25.8
25	59.9	9.3	9.8	9.7	29.3	21.2	24.8	28.6	23.3	25.6
26	60.1	59.5	60.0	59.9	29.2	19.3	24.6	28.8	22.7	25.4
27	0.1	9.8	0.3	60.1	28.3	19.6	24.9	26.8	22.9	24.9
28	59.3	9.1	1.0	59.8	27.8	20.1	24.8	26.7	22.7	24.7
29	64.4	63.7	4.1	64.1	27 1	19.9	25.0	26.8	23.8	25.2
30	4.3	3.2	2.7	3.4	29.0	20.1	24.8	28.5	24.3	25.9
	758.21	757.27	757.72	754.43	31.04	22.88	27.67	30.00	25.61	27.70

Barometer, range for month 750.1 mm.–764.4 mm.
,, 62-yr. average for month 758.84 mm.
Thermometer, range for month 19.3° C.—33.6° C.
,, 62-yr. average for month 27.17° C.
Rain, total for month 25.140 mm.
,, , 62-yr. average for month 6.600 mm.
,, , total, from Sept. 1st 25.140 mm.

SEPTEMBER 1938

METEOROLOGICAL REGISTER

Date	Elasticity of Vapor mm.				Relative Moisture per cent.				Sun. hrs.	Wind per day	Rain mm.
	8:30	14:30	20:30	Mean	8:30	14:30	20:30	Mean		Kms.	
1	20.5	19.7	20.9	20.4	65	53	80	66	10.8	282.0	
2	21.1	22.4	24.2	22.6	68	60	85	71	10.0	430.0	
3	23.7	20.9	21.4	22.0	88	58	82	76	9.6	288.0	
4	19.4	21.4	18.0	19.6	61	75	61	66	9.5	220.0	
5	18.5	18.4	17.7	18.2	65	61	60	62	6.1	191.0	
6	17.2	17.7	18.0	17.6	63	50	70	61	8.4	211.0	
7	18.4	19.9	19.9	19.4	63	56	76	64	10.2	270.0	
8	17.7	19.9	18.7	18.7	50	58	70	59	10.0	289.0	
9	16.5	16.7	15.7	16.3	56	49	49	51	10.0	190.0	
10	14.3	22.6	20.3	19.1	48	77	80	65	10.2	146.0	
11	13.8	19.8	20.5	18.0	47	57	79	59	10.1	198.0	
12	15.5	20.6	20.9	19.0	51	56	80	62	10.0	222.0	
13	14.9	22.8	18.1	18.6	49	61	68	60	9.9	234.0	
14	17.1	14.7	15.7	15.8	58	42	65	55	9.2	361.0	
15	14.7	18.0	16.8	16.5	50	52	67	56	9.5	104.0	
16	16.7	15.8	16.2	16.2	62	48	67	59	9.1	198.4	
17	16.6	16.3	15.5	16.1	58	49	65	57	9.5	334.0	
18	17.7	17.5	15.3	16.8	62	57	64	61	5.6	285.5	4.570
19	15.7	14.6	14.8	15.0	56	46	61	54	8.1	408.0	
20	15.1	15.1	15.0	15.1	60	51	64	58	5.5	502.7	0.762
21	13.9	12.8	14.2	13.6	58	45	67	57	8.6	355.0	
22	14.4	14.0	13.0	13.8	54	49	61	55	9.1	491.0	
23	12.6	13.6	13.7	13.3	50	48	61	53	9.5	304.4	
24	13.1	13.6	14.1	13.6	52	48	68	56	8.8	278.0	
25	14.0	14.4	13.2	13.9	60	49	62	57	9.2	251.5	0.254
26	14.3	14.1	14.3	14.2	62	47	71	60	7.2	378.0	
27	14.9	14.9	14.6	14.8	64	56	70	63	6.6	260.0	19.300
28	13.3	12.3	12.1	12.6	57	47	59	54	9.7	395.0	0.254
29	11.4	10.6	10.9	11.0	49	40	50	46	9.5	864.0	
30	12.2	11.0	12.5	11.9	53	38	55	49	9.5	433.0	
	15.97	16.87	16.54	16.46	58.0	52.8	67.2	59.1	8.97	312.48	0.838

Height of Barometer above sea level: 33.7 meters.
„ „ Thermometers above ground:
Dry and wet 1.55 m.: Max. 1.75 m.: Min. 1.70 m.
Rim of Rain Gauge: above ground 0.56 m.; above sea level 30.31 m.
Time of readings minus 2 hours equals G. C. T.
50-year averages are for period, 1875-1924

SEPTEMBER, 1938

METEOROLOGICAL REGISTER

	Clouds Clear—0 Overcast—10				Direction and force of wind Beaufort scale			Sea	Notes
	8:30	14:30	20:30	Mean	8:30	14:30	20:30		
1	0	0	0	0.0	3sw	3s	1sw	calm	
2	2cu	2cu	3cu	2.3	3s	3w	2w	„	
3	1cu	2cu	0	1.0	4s	3s	1s	slight	
4	0	0	6cu	2.0	1w	2nw	2w	„	
5	8cu	10cu	8cu	8.7	2sw	2w	1w	„	
6	8cu	4cu	8cu	6.7	1w	2w	1w	slight	
7	0	0	0	0.0	2sw	2w	1w	„	
8	0	9cu	2cu	3.7	3s	3s	2s	mod.	
9	1cu	0	9cu	3.3	2sw	2w	1w	„	
10	2cu	3cu	0	2.0	2sw	2nw	1w	calm	
11	0	0	0	0.0	1sw	2nw	2w	slight	
12	1cu	0	2cu	1.0	3sw	3w	1w	mod	
13	0	0	0	0.0	2sw	3w	1w	calm	
14	4cu	2cu	1cu	2.3	5s	4w	3w	rough	
15	2cu	0	5cuci	2.3	2sw	2nw	1nw	mod.	
16	8cu	1cu	0	3.0	2sw	2w	1w	mod.	
17	2cu	4cu	0	2.0	3s	3w	2w	slight	
18	8ni	6cu	3cu	5.7	4sw	2sw	2w	„	
19	5cu	3cu	4cu	4.0	3sw	4sw	3w	„	
20	9nicu	6cu	3cu	6.0	3sw	4sw	4sw	mod.	
21	5cu	0	4cuci	3.0	3sw	3sw	3w	mod.	
22	3cu	6cuci	4cu	4.3	4s	3w	2w	slight	
23	1cu	2cu	7cuci	3.3	2s	3w	2w	calm	
24	8cu	2cu	3cu	4.3	2w	3w	2w	„	
25	3cu	2cu	0	1.7	3sw	2sw	2w	slight	
26	10cuni	3cu	0	4.3	3sw	3sw	3w	slight	
27	4cu	10cuci	10cuci	8.0	3sw	2sw	2sw	„	
28	2cu	0	0	0.7	1se	3n	4ne	mod.	
29	0	0	0	0.0	4n	6n	7n	„	
30	0	0	0	0.0	3s	4s	5s	„	
					79	85	65		
				2.85	2.6	2.8	2.2		

8 9 6

Number of Daily Wind Observations

Time	N	NE	E	SE	S	SW	W	NW	Calm	Total
8:30	1	0	0	1	8	17	3	0	0	30
14:30	2	0	0	0	4	7	13	4	0	30
20:30	1	1	0	0	3	3	21	1	0	30
Totals	4	1	0	1	15	27	37	5	0	90